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AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

March 1958

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MARCH 1958

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	57.1	56.9	58.1	57.4	27.0	14.5	21.6	24.1	17.5	21.1
2	61.9	60.9	61.3	61.4	17.7	12.7	15.5	17.2	14.2	15.6
3	62.4	62.0	62.2	62.2	17.9	13.6	15.0	16.0	14.9	15.3
4	62.0	61.3	62.2	61.8	18.6	13.0	16.2	17.2	14.5	16.0
5	61.9	61.1	61.2	61.4	19.0	12.9	14.6	18.8	14.0	15.8
6	60.3	59.2	59.8	59.8	19.7	13.9	15.1	19.4	16.0	16.8
7	58.6	55.6	52.9	55.7	26.9	13.6	16.5	20.7	22.0	19.7
8	56.3	57.1	60.3	57.9	17.5	15.0	14.8	15.2	16.2	15.4
9	64.3	64.3	65.5	64.7	19.3	13.5	15.6	19.0	16.0	16.9
10	65.6	64.6	65.0	65.1	19.2	13.0	16.5	18.4	15.0	16.6
11	65.1	65.0	65.0	65.0	19.4	13.0	15.8	19.0	14.8	16.5
12	63.3	61.0	59.2	61.2	20.7	14.7	16.5	20.5	16.5	17.8
13	58.4	58.5	60.0	59.0	19.0	10.2	16.6	18.0	15.3	16.6
14	62.6	62.7	63.6	63.0	15.8	10.0	13.0	15.0	11.6	13.2
15	63.7	62.9	63.9	63.5	17.4	11.5	13.6	17.0	13.0	14.5
16	64.2	62.8	63.7	63.6	19.0	13.5	15.5	18.8	14.5	16.3
17	62.7	63.1	63.8	63.2	21.0	13.7	17.6	20.7	16.2	18.2
18	64.3	63.2	63.3	63.6	20.7	14.0	17.5	20.1	16.0	17.9
19	62.2	61.1	60.0	61.1	20.7	15.0	17.2	20.2	17.0	18.1
20	57.9	57.9	58 0	57.9	24.0	16.4	21.8	23.6	20.3	21.9
21	55.4	54.0	53.9	54.4	25.0	16.5	21.7	24.8	20.0	22.2
22	59.2	59.1	58.8	59.0	21.1	14.4	18.0	19.0	15.6	17.5
23	56.1	55.1	56.6	55.9	17.4	10.5	14.4	15.5	11.4	13.8
24	59.4	60.2	63.0	60.9	16 7	10.8	11.8	14.5	13.1	13.1
25	63.2	62.3	62.4	62.6	17.3	12.2	14.0	17.0	13.5	14.8
26	62.5	62.2	61.2	62.0	19.4	15.1	15.0	17.8	15.5	16.1
27	53.9	56.1	58.6	56.2	27.9	15.6	25.0	21.8	17.3	21.4
28	60.3	60.9	62.1	61.1	20.0	15.0	15.9	18.5	16.2	16.9
29	62.0	61.3	60.9	61.4	20.2	17.0	17.0	18.8	17.8	17.9
30	57.4	58.7	60.0	58.7	26.1	16.2	25.5	22.5	18.9	22.3
31	59.6	58.3	57.8	58.6	32.0	22.3	22.4	26.6	27.4	25.5
	60.77	60.30	60.78	60.62	20.76	13.98	17.00	19.22	16.17	17.47

Barometer, range for month 765.6 mm. — 752.9 mm.
„ 71-yr. average for month 761.187 mm.
Thermometer, range for month 32.0°C — 10.0°C
„ 71-yr. average for month 16.16°C
Rain total for month 38.55 mm.
„ 71-yr average for month 92.54 mm.
„ Total, Sept. 1st. to end of month 834.50 mm.
„ 71-yr average. Sept. 1st. to end of month 814.84 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	12.5	18.0	17.4	16.0	49	60	87	65	8.8	484	
2	11.5	8.8	8.6	9.6	65	44	54	54	4.5	344	2.35
3	9.6	10.4	11.8	10.6	56	57	70	61	1.8	525	
4	12.0	13.8	13.2	13.0	65	70	80	72	6.5	410	0.71
5	11.9	13.6	12.4	12.6	72	63	78	71	4.3	204	
6	12.1	15.1	14.3	13.8	71	67	79	72	8.9	467	
7	11.2	11.2	9.6	10.7	59	46	37	47	6.1	517	
8	14.2	15.3	13.5	14.3	85	89	73	82	1.9	970	5.05
9	11.9	12.9	13.5	12.8	68	59	74	67	8.8	341	
10	11.6	13.1	12.5	12.4	61	62	73	65	8.6	146	
11	12.4	13.8	12.8	13.0	69	63	76	69	9.2	169	
12	10.6	15.2	16.2	14.0	55	62	87	68	9.4	210	
13	16.3	16.5	10.4	14.4	87	80	60	76	5.6	879	0.60
14	7.4	8.6	7.9	8.0	51	51	59	54	7.7	451	6.46
15	8.7	10.9	9.7	9.8	57	56	64	59	7.2	241	
16	9.2	11.8	11.2	10.7	52	54	68	58	7.9	224	
17	13.4	12.6	14.9	13.6	67	52	82	67	7.1	356	
18	15.1	13.9	15.0	14.7	75	59	83	72	9.1	119	
19	15.2	16.4	16.5	16.0	77	68	85	77	8.9	230	
20	10.8	12.9	7.9	10.5	42	45	33	40	8.7	198	
21	10.0	13.1	8.5	10.5	39	43	37	40	9.5	377	
22	13.5	13.4	13 9	13.6	66	61	79	69	7.8	808	
23	13.6	12.5	10.3	12.1	85	73	76	78	0.2	1056	10.45
24	11.8	12.1	11.0	11.6	85	72	72	76	3.4	275	11.93
25	10.1	11.7	11.7	11.2	63	60	75	66	2.3	198	
26	13.0	13.6	14.5	13.7	76	67	83	75	3.1	414	
27	8.5	16.4	15.1	13.3	26	63	76	55	4.3	925	
28	15.3	14.8	14.5	14.9	85	69	79	78	6.5	510	1.00
29	13.6	12.8	12.9	13.1	70	59	64	64	0.8	554	
30	10.0	15.0	14.5	13.2	31	54	67	51	5.2	463	
31	13.5	12.2	8.0	11.2	49	32	23	35	8.4	388	
	11.95	13.30	12.39	12.54	63.2	60.0	68.8	64.0	6.21	433.97	1. 24

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	8cu-st	10st	6.0	1sw	2ne	3ne	light	
2	10cu-st	6cu-st	10st	8.7	3n	2nw	2sw	,,	H. p.m
3	6ci-st	10st	6cu-ts	7.3	2sw	3sw	2sw	,,	H.a.m.p.m
4	7st	10st	3cu-st	6.7	3sw	3sw	2sw	,,	H .a.m
5	10st	9ci	10ci-st	9.7	1sw	2w	2nw	,,	D.p.m
6	3ci	0	10ci-st	4.3	2ne	2ne	3ne	light	D.a.m
7	2st	10ci-st	10st	7.3	1se	2ne	1ne	,,	D.a.m. Sirocco *
8	10ni	10ni	8cu-st	9.3	5sw	5sw	4ne	slight	
9	6cu-st	7cu-st	10cu-st	7.7	3ne	2ne	2ne	light	
10	2cu-st	4cu-st	10st	5.3	1sw	1w	2w	,,	D.p.m
11	0	0	3ci	1.0	1n	1w	1ne	light	D.a.m.p.m
12	0	0	0	0.0	1ne	2ne	1ne	,,	D.a.m.p.m
13	10st	9st	10cu-st	9.7	3sw	3sw	4sw	,,	D.a.m
14	9st	5cu-st	6cu-st	6.7	4w	3nw	2nw	sligh	D.p.m
15	9ci	10ci-st	5cu-st	8.0	2s	2w	1w	light	
16	0	2ci	10ci-st	4.0	2sw	2nw	1nw	light	
17	3st	1st	0	1.3	2sw	2sw	2sw	,,	D.p.m
18	7st	0	0	2.3	2sw	2w	2w	,,	D.a.m.p.m
19	0	10ci-st	0	3.3	1nw	1n	1ne	,,	D.a.m.p.m
20	10ci	10ci	0	6.7	2sw	2sw	1sw	,,	
21	0	0	0	0.0	1sw	1nw	3nw	light	D.a.m
22	8cu-st	9cu-st	10cu-st	9.0	3sw	4sw	4sw	slight	Tr.p.m
23	10ni	10cu-st	10ni	10.0	4ne	4ne	3ne	light	
24	10ni	6cu-st	10cu-st	8.7	2s	2sw	1sw	,,	
25	10st	10st	4ci	8.0	2sw	2sw	1s	,,	D.p.m
26	10st	10st	10ci	10.0	2n	2ne	2ne	light	D.a.m.p.m
27	10ci-st	6ci	10cu-st	8.7	2e	4sw	3sw	,,	W.H, p.m. Sirocco
28	10st	10st	8cu-st	9.3	3sw	3sw	2sw	,,	
29	10st	10st	10st	10.0	3sw	2sw	2sw	,,	
30	10st	10ci	6ci-st	8.7	3ne	3ne	2ne	,,	
31	10ci	0	3ci	4.3	2e	2sw	2sw	,,	Sirocco
	mean			6.52					

Abbreviations : G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	3	5	2	1	2	16	1	1	0	31
14:30	1	8	0	0	0	13	5	4	0	31
20:30	0	11	0	0	1	12	3	4	0	31
Total	4	24	2	1	3	41	9	9	0	93

Number of days with rain 8, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 10.76
Time of reading minus 2 hours equals G.C.T

* Maximum Temperature for March 7 occured at 11 p.m.